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JPRS 128-18
50877CSO: 02646/70 W
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Use of the theory of Markov chains for analyzing
asynchronous methods of multiplying on a
digital computer, by B. M. Kagan, V. N. Stepanov.

Izvestiya Akademii Nauk SSSR: Tekhnicheskaya
Kibernetika, Moscow, No 1, 1970, pp 125-130.

Please publish - but provide JPRC with an advance
copy for T. D. of 1 July.

Digital Systems for Automating the Design and
Production of Parts, by G. A. Spynu,
Yu. G. Zarenin, 15 pp.

RUSSIAN, per, Izvestiya AN SSSR, Tekhnicheskaya
Kibernetika, Moscow, No 3, 1969, pp 43-52.

JPRS 54874

Jan 72

IZVESTIYA AKADEMII NAUK SSSR. OTCLENIE
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Tekhnicheskaya Kibernetika, Moscow, No 5,
1968, pp 107-114.
JPRS 47,091

Sci/Cybernetics
Jan 69

372,235

Methods of Solving Differential Games, by
V. P. Patayukov, 22 pp.
RUSSIAN, per, Izvestiya Akademii Nauk SSSR,
Tekhnicheskaya Kibernetika, Moscow, No 5,
1968, pp 20-33.
JPRS 47,091

Sci/Cybernetics
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372,234

IZVESTIYA AN SSSR OTN TEKHNICHESKAYA KIBERKETIKA

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Investigation of the Three-Dimensional
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Revolution, by G. P. Tinyakov, 12 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Tekhn Nauk, Mekh, No 6, 1965, pp 10-19.
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Tekh Nauk, Mekh, No 6, 1965, pp 3-9.

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Tekhn. Nauk, Tekhn. No 5, 1965, pp 7-10.
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Nauk, Mekh, No 3, 1965, pp 182-186.
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Nauk, Mekh, No 3, 1965, pp 131-135.
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Tekh Nauk, Tekh, No 3, 1965, pp 114-118.
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Application of the Theory of Multilayer
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Tekh Nauk, Mekh, No 2, 1965, pp 131-134.
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Nauk, Mekh, No 1, 1965, pp 99-108.
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Boundary Conditions in the Linear Theory
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289,884

Investigation of the Flow Around Plane
and Axisymmetric Bodies With a Detached
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Nauk, Mekh, No 1, 1965, pp 17-23.
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8-5674

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282,704

Nonequilibrium Supersonic Air Flow Around a
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Mekh, no 1, 1965, pp 3-16.
CIA-FDD-X-5673
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Sci - Phys
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284,348

IZ AK NAUK SSSR, OTDEL KHIM NAUK

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IZV. AN SSSR, SERIYA KHIM

Elyutin, V. P.

Properties of Liquid Al_2O_3 .
AKADEMIYA NAUK SSSR. IZVESTIYA. NEORGANICHESKIE
MATERIALY, Vol 8, pp 477-480, 1972
SC-T-722515
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AEC SC-T-722515

Jan 73

Electrophysical Properties and Nature of
the Chemical Bond in Compounds of Beryllium
With Boron and Carbon, by V. S. Nespor. *11 pp*
RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya.
Neorganicheskie Materialy, Vol 7, 1971, pp 50-55.
NTC-71-14942-07D
AEC LA-471-30 (NTIS)

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G. A. Meerson

Investigation of the Conditions for the Preparation
of Lanthanum Hexaboride of Increased Purity and
Stoichiometric Composition.

RUSSIAN, per, Akademiya Nauk SSSR, Izvestiya.
Neorganicheskie Materialy, Vol 6, No 7, 1970,
pp 1219-1222
NTC 72-13310-07B

Oct 72

R. M. Manelis

Structure and Some Properties of Yttrium Diboride.
RUSSIAN, per, Akademiya Nauk SSSR, Izvestiya.
Neorganicheskie Materialy, Vol 6, No 6, 1970,
pp 1184-1185
NIC 72-13311-07B

Oct 72

Indium Telluride Antimony Telluride System,
by Bolotskiy, D. P.
RUSSIAN, per, Inv. Akad. Nauk SSR, Neorg. Mater.
1970, 6 (3), pp. 572-574.
FTD-HT-Special 71-33

Saturated Vapor Pressure of Mercury Telluride, by
T. D. Levitskaya.
RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya.
Neorganicheskie Materialy, Vol 6, No 3, 1970, pp
559-560.

NTC-71-10417-07B

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Neutral Defects in Mercury Telluride, by
T. D. Levitskaya.

RUSSIAN, per, Akademiya Nauk SSSR, Izvestiya.

Neorganicheskie Materialy, Vol 6, No 3, 1970,

pp 556-558.

NTC-71-10401-20L *MIT Lincoln Laboratory*

Nov71

Investigation of the Structure and Electrical
Conductivity in the $\text{ZrO}_2\text{-Y}_2\text{O}_3\text{-Cu}_2\text{O}$, $\text{ZrO}_2\text{-Y}_2\text{O}_3$,
 $\text{ZrO}_2\text{-Y}_2\text{O}_3\text{-Ni}$ Systems, by A. G. Kotlyar, 7 pp.
RUSSIAN, per, Izv Akad Nauk SSSR, Neorg Mater,
Vol 6, No 3, 1970, pp 532-536.
AEC/NP-Tr-1937

Dec 71

Combined Coatings on Graphite, by V. P. Elyutin,
RUSSIAN, per, Akademiya Nauk SSSR, Izvestiya.
Neorganicheskie Materialy, Vol 6, No 3, 1970,
pp 414-417.
NTC-71-11227-11C

Nov 71

*Effect of Phosphorus Compounds on the Oxidation
rate and rate of wear of Synthetic Graphite,
by Vasil'yev, Yu. N.*

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Mater., 1970, 6 (2), pp. 201-206.

FTD-UT-Special, 71-32

Izvestiya AN SSSR, Neorganicheskie Materialy, 1965 -
1969.

Full tr by Plenum Press

Mar 73

Application of the Mossbauer Effect to Study the
Diffusion Mechanism of Iron in β -Titanium, by
A. N. Aleshin, B. S. Bokshtein, 6 pp.
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1973, pp 223-226.
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1973, pp 140-143.
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phere With an Argon Plasma Arc, by
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Plasticity of Heat-resistant Nickel Alloys,
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No 3, May-June 1972, pp 245-251.
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Investigation of the Contact Properties of Ni-C
and Co-C Fusions With Graphite, by
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of Heat-Resistant Nickel Alloys, by
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JPRS 56001

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embrittlement of Martensite-Aged OON18K9M5T
Steel by Precipitation of Titanium Carbonitrides,
by L. N. Belyakov, V. L. Nikol'skaya, 11 pp.
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Metally, Moscow, No 1, 1972, pp 159-165.
JPRS 56001

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Moscow, IZv AN SSSR Metally, No 1, Jan-Feb. 1972,
pp 144-150, 216-217, 238-239

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Classification of Binary Eutectics, by
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JPRS 55452

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On the Oxidation of Impurities in the Spray
Returning of Hot Metal, by A. A. Kazakov.
RUSSIAN, per, Izv Akad. Nauk SSSR, Met., No 6,
1971, pp 20-4.
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STUDY OF THE STRUCTURE AND PROPERTIES OF
TITANIUM RICH ALLOYS OF THE Ti-W SYSTEM

OLEYNIKOVA S V

UR: AN SSSR. IZVESTIYA. METALLY, Ma-Ju 71,
pp 192-196.

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N. V. Agayev

Creep in β -alloy of titanium IVT-1. 8 pp.
RUSSIAN, per, Inv. AN SSSR. Metally, No 2, 1971,
pp 163-167
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PHASE TRANSFORMATIONS IN METALS ACCORDING
TO THE SPHERE-OF-INTERACTION MODEL
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UR-AN SSSR. IZVESTIYA. METALLY, Mar-Apr
1971, No 2, pp 64-68

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1971, pp 200-205

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Fine structure of nickel-chromium alloys and its
relation to their heat resistance, by
S. T. Kishkin, et. al.

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Intracrystallite liquation in nickel alloys containing niobium, by N. N. Kurova, & S. B. Maslennikov.

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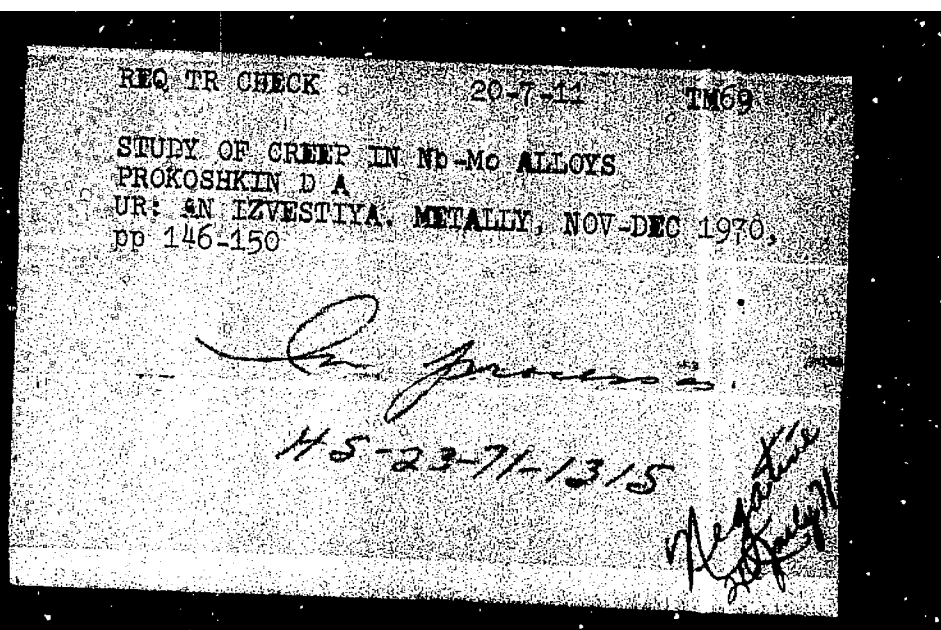
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Study of the Short Term Creep of the OT-4 Alloy
in High Speed Air Flows Under Aerodynamic Vibrations,
by I. N. Bogachev, et al, 11 pp.
RUSSIAN, per, Izv Akad Nauk SSSR, Metally (Moscow).
No 5, Sep - Oct 1970, pp 137-142.
NASA-TT-F-13658
NTC 72-10180-11F

Sept 71

Destruction of Multilayer Steels in Dynamic and Static
Loading, by I. V. Navrotsky, Yu. S. Tomenko, 7 pp.
RUSSIAN, par, Izvestiya Akademiy Nauk SSSR, Metally,
No 5, 1970, pp 132-136.
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MAGNESIUM ALLOY

GURYEV I I

UR: AN SSSR. IZVESTIYA. METALLY, 1970,
nr 4, pp 76-81

In process

HS-23-71-0997

*may
6/4/71*

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2012

INFLUENCE OF RARE EARTH METALS ON THE
STRUCTURE AND HIGH TEMPERATURE STRENGTH OF
COPPER AND COPPER ZIRCONIUM ALLOYS
KOROL'KOV A M; GUROVA L M
UR: AN SSSR. IZVESTIYA. METALLY, 1970,
nr 3, pp 165-170

*In process as**HS-23-71-0642**neg
4/14/71*

REQ TR CHECK

19-7-26

TM36

INFLUENCE OF SILICON ON THE BRITTLE FRACTURE
TENDENCY OF STRUCTURAL STEELS

RUDCHENKO A V

UR: AN SSSR. IZVESTIYA, METALLY, 1970,
nr 3, pp 139-142*In process as**HS-23-71-1481**Negative
26 July 71*

RUSSIAN

*Completed
Special*CBO: 02666/TE W
16 May 1972 SF

Increasing the creep strength of the EI 43T B alloy,
by M. I. Krichevet et al. 7 pp

Moscow, Izvestiya Akad. Nauk SSSR. Metall. No. 3,
1970, pp 129-131.

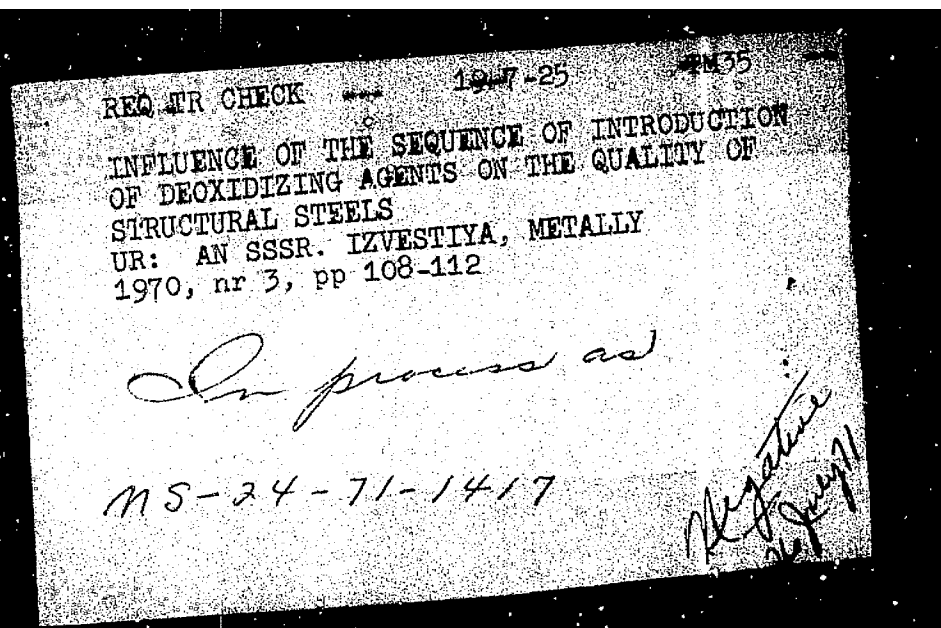
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The Prospects of Metal Research Development, by
Ye. M. Savitskiy, 41 pp.
RUSSIAN, per, AN SSSR. Izvestiya. Metally, pp 49-71
AIR/FTD-HC-23-59-71

Mar - Apr 1970

Sept 71

Solubility of Oxygen in Niobium-Niobium Alloys,
by A. K. Shurin.
RUSSIAN, per, Izvestia Akademi Nauk SSSR Met-
ally, Vol 1, 1970, pp 231-233.
CEGB-5504

June 71

*Construction of Ti-W Alloys Through Corrosion
of Chloride and Other Mechanical Characteristics
of Alloys, by Moynov, S. G.
RUSSIAN, per. Izv Akad Nauk SSSR, Metally, No 1, 1970
pp 26-32.
FTD-HT-Special 71-28*

Third All-Union Conference on the Preparation,
Structure, Physical Properties and Applications
of Single Crystals of High Melting and Rare
Metals, by Ye. V. Ottonberg, 5 pp.
RUSSIAN, per, Izvestiya Akademii Nauk SSR-Metally,
Moscow, No 4, 1969, pp 270-271.
JPRS 49010

Sci-Mat
Oct 69

392,738

Izvestiya Akademiy Nauk SSSR, Metallurgiya, 1965 - 1969.

Full tr by Scientific Information Consultants Limited

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Mar 73

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12-07-73

T031

FLOW IN THE BASE AREA OF FLAT BODIES
SHVETS, A.I.UR: IZVESTIYA AKADEMII NAUK SSSR, MEKHANIKA
ZHIDKOSTEY I GAZOV, NO. 6, NOV-DEC 1972,
pp. 61-70 *c/c Plenum Aero**Process in ^{HS 1970}
HS74-23-0031*

Ye. G. Shifrin

Problem of uniform-jet flow around an airfoil.

IZVESTIYA AKADEMIYA NAUK SSSR, MEKHANIKA ZHIDKOSTI I

GAZA, No 4, Jul-Aug 1972, pp 162-165

*NASA TT F 14, 813 **

feb 73

Transition to Turbulence in Submerged and Wake Jets
by O. I. Navoznov.
IZV MEKHANIKA ZHIDKOSTI I GAZA, No 4, 1972, pp 148-154.
NAV/APL/JHU-T-2737

Apr 73